

## Abstract of the Disclosure

An apparatus for allocating an E1 channel between an MSC (mobile switching center) and an IWF (interworking function) unit in a CDMA system includes a channel buffer for receiving and storing call processing data; a transmission SI RAM for storing E1 channel allocation information; a reception SI RAM for storing the E1 channel allocation information; a CPM for reading out the call processing data that are stored in the channel buffer, storing received call processing data in the channel buffer, determining which ones of high speed calls and low speed calls are more included in a plurality of call types in process currently and modifying the E1 channel allocation information stored in each of the transmission SI RAM and the reception SI RAM; a multi channel controlling unit for reading out the E1 channel allocation information stored in each of the transmission SI RAM and the reception SI RAM and allocating a super channel including 5 channels or a super channel including 10 channels to the E1 channel; and a serial-parallel converting unit for converting the call processing data from the CPM to serial data and then transmitting the serial data to the IWF unit; and converting the call processing data from the IWF unit to parallel data and then transmitting the parallel data to the CPM.